

**A b s t r a c t**

The invention relates to a device for converting energy comprising a gas generator (6) for generating a hydrogen-oxygen mixture or Brown gas with a reaction chamber (19) in which electrodes (29) are disposed. The reaction chamber (19) is of a rotationally symmetrical shape with respect to an axis (18) and at least certain regions of inner boundary surfaces (20) of the reaction chamber (19) in the region of a jacket (21) of the reaction chamber (19) are formed by inner electrode surfaces (30, 31) of the electrodes (29) of the gas generator (6).

(Fig. 2)